
MULTIMOBILE PC CARDS

MT128NTZLX

MT128STZLX

Product Update

FIRMWARE VERSION 4.101

PN 82098300

April 20, 1999

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Introduction

Use this Product Update in conjunction with Chapter 2, **Installation**, in the Owner's Manual. This Product Update presents separately the VCOMM, CAPI, and NDIS installation procedures for Windows 95/98 which feature Plug and Play and Windows NT4.x which does NOT have Plug and Play capability.

Installing the MultiMobile PC Card consists of

1. Installing the setup drivers/software
2. Attaching the PC Card to your laptop computer
3. Setting up the ISDN line connection

Safety Warnings

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- This product is to be used with *UL* and *cUL* listed computers.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.

- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electrical shock from lightning.
- Do not use the telephone to report a gas leak in the vicinity of the leak.

Windows 95/98 Installation— VCOMM & CAPI

Before you start—In Windows 95, you **MUST** install the drivers before attaching the PC Card to your laptop. If you install the PC Card first, the operating system will not recognize the device.

1. Click **Start ➡ Settings ➡ Control Panel ➡ Add/Remove Programs**. Then click **Install**.
2. The **Install Program From Floppy Disk or CD-ROM** dialog box appears. Insert the MT128ZLX Disk 1 and click **Next**.
3. The **Run Installation Program** dialog box appears. Click **Finish**.
4. The **Setup** dialog box appears and informs you that the Configuration Utility Setup is preparing the InstallShield Wizard (which guides you through the setup process).
5. The **Welcome** dialog box appears. Click **Next**.
6. The **Choose Destination Location** dialog box appears. Click **Next** to install to the destination folder listed in the dialog box. (Click **Browse** to install to a different folder.)
7. The **Select Program Folder** dialog box appears. Select a folder or type a new folder name. Then click **Next**.

8. The **Start Copying Files** dialog box appears. Click **Back** to review or change settings. To begin copying files, click **Next**.
9. As the files copy, the **Setup Needs The Next Disk** dialog box appears and, in sequence, requests Disk 2, Disk 3, and Disk 4 (key disk). Insert each requested disk and click **OK**. The driver installs with each disk.
10. The **Configuration Utility** window and the **Com Port Change** dialog box appear. Make appropriate changes in the **Com Port Change** dialog box, if necessary, and then click **OK**.
11. The **Microsoft ISDN Accelerator Pack 1.1** dialog box appears and asks if you want to install the accelerator pack. (This dialog box does not appear in Windows 98, which includes the Accelerator Pack.) If it is not already installed on your computer, click **Yes** and follow dialog box instructions; otherwise, click **No** and close the **Configuration Utility** window.
12. The **Setup Complete** dialog box appears. Make sure **Yes, I want to restart my computer now** is selected, then remove the Configuration Utility disk and click **Finish**. The computer reboots.
13. As the computer is rebooting, insert the MultiMobile into the computer's PC Card slot with the 68-pin connector facing the PC card slot and the label facing up.
14. Plug the 15-pin connector into the 15-pin socket of the PC card. On the other end of the 15-pin cable, leave the RJ-45 receptacle exposed until ISDN connection is made. Hardware installation now is

complete. The MultiMobile is powered directly from the PC.

15. Connect the MultiMobile to the network by plugging the (supplied) RJ-45 cable into the MultiMobile cable's RJ-45 receptacle. Plug the other end of the RJ-45 cable into an available ISDN outlet.

Windows 95/98 Installation—NDIS

1. Click **Start** ➔ **Settings** ➔ **Control Panel**; then double-click the **Network** icon.
2. Click **Add**. Then click **Add Adapter**. Scroll down the list in the **Manufacturer's** text box and select **Multi-Tech**. **MultiMobile MT128ZLX** then appears in the **Models** text box. Click **OK**.
3. The **ISDN Configuration** dialog box appears. Click **Next**.
4. The **ISDN Configuration** dialog box appears. Set the switch type and click **Next**.
5. The **ISDN Configuration** dialog box appears. Type the directory numbers and SPIDs numbers, if necessary, and click **Next**. Then click **Finish**. The NDIS interface now is installed successfully.

Note: *The switch type and phone number must be the same as Multi-Tech's configuration utility setting. If they are different, the ISDN configuration setting overwrites*

Multi-Tech's configuration setting.

Note: *If you enter Multi-Tech's Configuration utility to change the switch type and phone number, the new settings overwrite the ISDN configuration utility.*

6. To complete setup, reboot your computer.

Windows NT Installation

Since Windows NT 4.x does not feature Plug and Play, users must install the PC Card manually.

Note: *Windows NT4.x only works with CAPI. The ISDN AT command emulation also is available through CAPI. Other API modes, such as NDIS and VCOMM, will be supported by a later release.*

1. Run Windows NT.
2. Plug the PC Card into your laptop's PCMCIA slot.
3. Insert the Windows NT driver disk and click **Start** ➡ **Settings** ➡ **Control Panel**; then double-click **PC Card (PCMCIA)**. Note the resources that NT allocates for I/O range, IRQ, Memory, etc. You will need this information when you check the Adapter Settings in step 7 below. Then click **Network**.
4. The **Network** dialog box appears. Open the **Adapters** tab and click **Add**.
5. In the next dialog box, click **Have Disk**. Enter the driver path and click **OK**.
6. The **Select OEM Option** dialog box appears with the device name (e.g. **56K Modem + ISDN Adapter for CAPI**) in the text box. Click **OK**.
7. The **Setup** dialog box appears. Make sure the settings for the **Adapter Setting** and the **Line**

Setting below match the settings you noted in step 3 above .

Adapter Setting

I/O Base: Not used by any other devices

Interrupt: IRQ does not conflict with any other device

Mem: Setting is for PCMCIA attribute memory use. (Select one of the settings.)

Pcmcia: Select **CARDBUS** if the PC Card is seated in the CardBus slot. Select **365 COMP** for the non-CardBus PCMCIA slot. If necessary, check the laptop user manual for information on your PCMCIA slots.

Line Setting

Switch type: Select the ISDN switch type or D-channel protocol

Modem I/O: Specify the I/O for analog applications

Modem choice: Select the analog applications

Analog encoder: Select the encoding scheme for your analog applications, modem over ISDN, modem over PSTN, or ISDN Phone (voice). This setting should be consistent with the ISDN Voice Encoding in ISDN folder in RVS COMMCenter (refer to RVS-COM Lite for details)

Phone number: Enter the ISDN phone number(s)

SPID number: For North American use only

8. When finished, click **Close**.

9. Reboot your computer.
10. To make sure the PC Card driver is installed correctly:
 - a. Click **Start ➡ Programs ➡ Administrative Tools (Common) ➡ Windows NT Diagnostics**.
 - b. Open the **Services** tab and click the **Devices** button. Scroll down the **Device** list to locate the PC Card. If the status is **Running**, the PC Card is installed correctly. If the status displays **Stopped**, double-check the settings in step 7 above.
11. Install the CAPI-based application program, RVS-COM Lite.
12. Your MultiModem PC Card is now installed. To trace ISDN connection status when making ISDN connections, open **status.exe** at the **system32** subdirectory (e.g., c:\winnt\system32\status.exe).

To change the I/O, IRQ, Mem, Pcmcia, Switch Type, ISDN phone number (required in RVS-COM), click **My Computer ➡ Control Panel ➡ Network**, then open the **Adapters** tab. Scroll down the Device list to select the device name. Click **Properties** to change parameters. After making any setting changes, reboot the NT system.
